Amendments to the Claims

This Listing of Claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (Original) A radio frequency (RF) proximity detection and identification system, comprising:

at least one RF transmitter for receiving a control signal, modulating an RF signal to a preset modulation frequency upon receipt of the control signal, and wirelessly transmitting the modulated signal; and

an RF receiver for receiving the wirelessly transmitted modulated signal, determining the modulation frequency, and transmitting the modulation frequency to a remote location.

2. (Original) The RF proximity detection and identification system of claim 1, wherein a transmission power of the RF transmitter is preset to transmit the modulated signal within a predetermined range.

3. (Original) The RF proximity detection and identification system of claim 2, wherein each of the at least one RF transmitters are modulated to a different frequency.

4. (Currently Amended) ~~A critical band encoding technology (CBET)~~ An audience measurement system having at least one portable people meter (PPM) and a base unit, the ~~CBET~~ system containing a radio frequency (RF) proximity detection and identification system, comprising:

an RF transmitter located in each PPM for receiving a control signal, modulating an RF signal to a preset modulation frequency, and wirelessly transmitting the modulated signal; and,

an RF receiver located in the base unit for receiving the wirelessly transmitted modulated signal, determining the modulation frequency, and transmitting the modulation frequency to a remote location.

5. (Currently Amended) The ~~CBET~~ system of claim 4, wherein the transmission power of the RF transmitter is preset to transmit the modulated system within a predetermined range.

6. (Currently Amended) The ~~CBET~~ system of claim 5, wherein the RF transmitter further comprises an RF modulator for receiving the control signal and outputting an RF signal modulated to a preset frequency.

7. (Currently Amended) The ~~CBET~~ system of claim 6, wherein the RF receiver further comprises an RF demodulator unit for receiving the wirelessly transmitted RF modulated signal, demodulating the received signal, and determining the modulation frequency of the received signal.

8. (Currently Amended) The ~~CBET~~ system of claim 4, wherein the RF transmitter located in each of the at least one PPM is modulated to a different frequency.

9. (Original) A radio frequency (RF) proximity detection and identification method comprising the steps of:

modulating an RF signal to a preset modulation frequency upon receipt of a control signal;

wirelessly transmitting the modulated signal from a transmitter;

receiving the wirelessly transmitted modulated signal;

determining the modulation frequency of the received signal; and

transmitting the modulation frequency to a remote location.

10. (Original) The RF proximity detection and identification method of claim 9, wherein a transmission power of the transmission of the modulated signal is preset to transmit within a predetermined range.

11. (Currently Amended) ~~A critical band encoding technology (CBET)~~ An audience measurement system having at least one portable people meter (PPM)~~ and a base unit~~, the ~~CBET~~ system containing a radio frequency (RF) proximity detection and identification system, the RF proximity detection and identification system comprising:

an RF transmitter unit contained in each of the at least one PPM, the RF transmitter unit comprising:

an RF modulation unit for receiving a control signal and modulating an RF signal to a preset modulation frequency; and

a transmitter for transmitting the modulated signal as an RF modulated signal; ~~and~~

a receiver for receiving the transmitted modulated signal; and

an RF demodulator unit for demodulating the modulated signal, and determining the modulating frequency of the signal.

12. (Original) The RF proximity detection and identification system of claim 11, wherein the modulating frequencies are transmitted to a remote location for further processing.

13. (Original) The RF proximity detection and identification system of claim 12, wherein a transmission power of the transmitter is preset to transmit the modulated signal within a predetermined range.